

AMENDMENTS TO THE CLAIMS

Please cancel claims 1, 10, and 19. Please add claims 34-39. Please amend claims 2-3, 5, 8-9, 11-12, 14, 17-18, 20-21, 23, and 26-27 as shown below.

1. **(Canceled)**
2. **(Currently Amended)** The method of Claim 35 ~~Claim 1~~, wherein the unit under test is a computer system.
3. **(Currently Amended)** The method of Claim 35 ~~Claim 1~~, wherein said coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:
 - connecting at least one physical data link between the at least one network router and the at least one unit under test.
4. **(Original)** The method of Claim 3, wherein said connecting at least one physical data link between the at least one network router and the at least one unit under test further includes:
 - coupling an input of a first data link to a first network router;
 - coupling an output of the first data link to an input of switching logic; and
 - connecting at least one output of the switching logic to an input of the unit under test.
5. **(Currently Amended)** The method of Claim 35 ~~Claim 1~~, wherein said coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:
 - connecting at least one aggregation unit between the at least one network router and the at least one unit under test.

6. **(Original)** The method of Claim 5, wherein said connecting at least one aggregation unit between the at least one network router and the at least one unit under test further includes:

connecting an output of a first network router and an output of a second network router to an input of a first aggregation unit; and
connecting an output of the first aggregation unit to the unit under test.

7. **(Original)** The method of Claim 5, wherein said connecting at least one aggregation unit between the at least one network router and the at least one unit under test further includes:

coupling an output of an aggregation unit to an input of switching logic; and
connecting at least one output of the switching logic to an input of the unit under test.

8. **(Currently Amended)** The method of Claim 35 ~~Claim 4~~, wherein said coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

coupling at least one of the one or more modified frame relay sub-interface entities with at least one decryption-encryption service.

9. **(Currently Amended)** The method of Claim 35 ~~Claim 4~~, wherein said coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

coupling at least one of the one or more modified frame relay sub-interface entities with at least one network layer entity.

10. **(Canceled)**

11. **(Currently Amended)** The system of Claim 37 ~~Claim 10~~, wherein the unit under test is a computer system.

12. **(Currently Amended)** The system of Claim 37 ~~Claim 10~~, wherein said one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test further includes:

at least one physical data link connecting the at least one network router with the at least one unit under test.

13. **(Original)** The system of Claim 12, wherein said at least one physical data link connecting the at least one network router with the at least one unit under test further includes:

an input of a first data link coupled to a first network router;
an output of the first data link coupled to an input of switching logic; and
at least one output of the switching logic coupled to an input of the unit under test.

14. **(Currently Amended)** The system of Claim 37 ~~Claim 10~~, wherein said one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test further include:

at least one aggregation unit connected between the at least one network router and the at least one unit under test.

15. **(Original)** The system of Claim 14, wherein said at least one aggregation unit connected between the at least one network router and the at least one unit under test further includes:

an output of a first network router and an output of a second network router both connected to an input of a first aggregation unit; and
an output of the first aggregation unit connected to an input of the unit under test.

16. **(Original)** The system of Claim 14, wherein said at least one aggregation unit connected between the at least one network router and the at least one unit under test further includes:

an output of an aggregation unit coupled to an input of switching logic; and

at least one output of the switching logic coupled to an input of the unit under test.

17. **(Currently Amended)** The system of Claim 37 ~~Claim 10~~, wherein said one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test further includes:

at least one of the one or more modified frame relay sub-interface entities
logically coupled with at least one decryption-encryption service.

18. **(Currently Amended)** The system of Claim 37 ~~Claim 10~~, wherein said one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test further includes:

at least one of the one or more modified frame relay sub-interface entities
logically coupled with at least one network layer entity.

19. **(Canceled)**

20. **(Currently Amended)** The apparatus of Claim 39 ~~Claim 19~~, wherein the unit under test is a computer system.

21. **(Currently Amended)** The apparatus of Claim 39 ~~Claim 19~~, wherein said means for coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

means for connecting at least one physical data link between the at least one
network router and the at least one unit under test.

22. **(Original)** The apparatus of Claim 21, wherein said means for connecting at least one physical data link between the at least one network router and the at least one unit under test further includes:

means for coupling an input of a first data link to a first network router;

means for coupling an output of the first data link to an input of switching logic;
and
means for connecting at least one output of the switching logic to an input of the
unit under test.

23. **(Currently Amended)** The apparatus of Claim 39 ~~Claim 19~~, wherein said means for coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

means for connecting at least one aggregation unit between the at least one
network router and the at least one unit under test.

24. **(Original)** The apparatus of Claim 23, wherein said means for connecting at least one aggregation unit between the at least one network router and the at least one unit under test further includes:

means for connecting an output of a first network router and an output of a second
network router to an input of a first aggregation unit; and
means for connecting an output of the first aggregation unit to the unit under test.

25. **(Original)** The apparatus of Claim 23, wherein said means for connecting at least one aggregation unit between the at least one network router and the at least one unit under test further includes:

means for coupling an output of an aggregation unit to an input of switching
logic; and
means for connecting at least one output of the switching logic to an input of the
unit under test.

26. **(Currently Amended)** The apparatus of Claim 39 ~~Claim 19~~, wherein said means for coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

means for coupling at least one of the one or more modified frame relay sub-interface entities with at least one decryption-encryption service.

27. **(Currently Amended)** The apparatus of Claim 39 ~~Claim 19~~, wherein said means for coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

means for coupling at least one of the one or more modified frame relay sub-interface entities with at least one network layer entity.

28. **(Previously Presented)** A method comprising:

coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test, wherein

said coupling one or more modified frame relay sub-interface entities

internal to at least one network router with one or more

corresponding data link layer entities internal to at least one unit under test further includes:

connecting at least one physical data link between the at least one

network router and the at least one unit under test; and

said connecting at least one physical data link between the at least one

network router and the at least one unit under test further includes:

coupling an input of a first data link to a first network router;

coupling an output of the first data link to an input of switching

logic; and

connecting at least one output of the switching logic to an input of

the unit under test.

29. **(Previously Presented)** A method comprising:

coupling one or more modified frame relay sub-interface entities internal to at

least one network router with one or more corresponding data link layer

entities internal to at least one unit under test, wherein

said coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

connecting at least one aggregation unit between the at least one network router and the at least one unit under test, and

said connecting at least one aggregation unit between the at least one network router and the at least one unit under test further includes:

connecting an output of a first network router and an output of a second network router to an input of a first aggregation unit; and

connecting an output of the first aggregation unit to the unit under test.

30. **(Previously Presented)** A method comprising:

coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test, wherein

said coupling one or more modified frame relay sub-interface entities internal to at least one network router with one or more corresponding data link layer entities internal to at least one unit under test further includes:

connecting at least one aggregation unit between the at least one network router and the at least one unit under test,

said connecting at least one aggregation unit between the at least one network router and the at least one unit under test further includes:

coupling an output of an aggregation unit to an input of switching logic; and

connecting at least one output of the switching logic to an input of the unit under test.

31. **(Previously Presented)** A system comprising:
one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test, wherein
said one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test further includes:
at least one physical data link connecting the at least one network router with the at least one unit under test, and
said at least one physical data link connecting the at least one network router with the at least one unit under test further includes:
an input of a first data link coupled to a first network router;
an output of the first data link coupled to an input of switching logic; and
at least one output of the switching logic coupled to an input of the unit under test.

32. **(Previously Presented)** A system comprising:
one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test, wherein
said one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test further include:
at least one aggregation unit connected between the at least one network router and the at least one unit under test, and
said at least one aggregation unit connected between the at least one network router and the at least one unit under test further includes:

an output of a first network router and an output of a second network router both connected to an input of a first aggregation unit; and
 an output of the first aggregation unit connected to an input of the unit under test.

33. **(Previously Presented)** A system comprising:

one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test, wherein
 said one or more modified frame relay sub-interface entities internal to at least one network router coupled with one or more corresponding data link layer entities internal to at least one unit under test further include:

at least one aggregation unit connected between the at least one network router and the at least one unit under test, and

said at least one aggregation unit connected between the at least one network router and the at least one unit under test further includes:
 an output of an aggregation unit coupled to an input of switching logic; and
 at least one output of the switching logic coupled to an input of the unit under test.

34. **(New)** A method for testing, said method comprising:

coupling one or more modified frame relay sub-interface entities with one or more corresponding data link layer entities, wherein
 the one or more modified frame relay sub-interface entities are internal to at least one network router,
 the one or more corresponding data link layer entities are internal to at least one unit under test, and

each of the one or more modified frame relay sub-interface entities is configured to function as a data link layer entity.

35. (New) The method of claim 34, wherein

N modified frame relay sub-interfaces internal to the at least one router are coupled to N corresponding data link layer entities internal to the at least one unit under test, and

the at least one router tests the unit under test as if the unit under test was connected to N computer systems.

36. (New) A system for testing, said system comprising:

one or more modified frame relay sub-interface entities coupled with one or more corresponding data link layer entities, wherein

the one or more modified frame relay sub-interface entities are internal to at least one network router,

the one or more corresponding data link layer entities are internal to at least one unit under test, and

each of the one or more modified frame relay sub-interface entities is configured to function as a data link layer entity.

37. (New) The system of claim 36, wherein

N modified frame relay sub-interfaces internal to the at least one router are coupled to N corresponding data link layer entities internal to the at least one unit under test, and

the at least one router tests the unit under test as if the unit under test was connected to N computer systems.

38. (New) An apparatus for testing, said apparatus comprising:

means for coupling one or more modified frame relay sub-interface entities with one or more corresponding data link layer entities, wherein

the one or more modified frame relay sub-interface entities are internal to
at least one network router,
the one or more corresponding data link layer entities are internal to at
least one unit under test, and
each of the one or more modified frame relay sub-interface entities is
configured to function as a data link layer entity.

39. (New) The apparatus of claim 38, wherein
N modified frame relay sub-interfaces internal to the at least one router are
coupled to N corresponding data link layer entities internal to the at least
one unit under test, and
the at least one router tests the unit under test as if the unit under test was
connected to N computer systems.